Format of Noisefile Static Data (STATIC01.DAT) File

This ASCII text file describes the format of the Noisefile runup data file which is the input to the OMEGA 11 program. These flight data consist of one dataset for each aircraft or helicopter power condition in Noisefile. Each dataset contains thirty-five records; the format of these records is described below. A typical aircraft will have from four to six power conditions. The maximum number of power conditions permitted in the OMEGA 11 program is currently eight.

Record Number 1

Column	Format	Description
1-8	A8	"MILITARY" or "CIVILIAN"
9	Blank	
10	A1	"R" for static data
11	A1	"M" for military or "C" for civilian aircraft
12-16	A5	aircraft ID
17-18	A2	operation power code
19	A1	interpolation code (F for FIXED or V for VARIABLE)

Record Number 2

Column	Format	Description
1-20	A20	aircraft name (Max 20 characters)
21-40	A20	engine name (Max 20 characters)
41-54	A14	noise suppression system (Max 14 characters)
55-56	I2	number of engines
57	Blank	
58-67	A10	"MEASURED" or "ESTIMATED" for measured or estimated data
68-79	A12	source of data (Country etc.)
80-90	A11	date of the last data update (DA MON YEAR; e.g., 18 SEP 1996)
91	Blank	
92-109	A18	"Single Engine Data"

Record Number 3

Column	Format	Description
1-20	A20	operation power description (Max 20 characters)
21-29	F9.2	1st power setting value (right justified)
30	Blank	
31-40	A10	1st power setting units (left justified)
41-49	F9.2	2nd power setting value (right justified)
50	Blank	
51-60	A10	2nd power setting units (left justified)
61-69	F9.2	3rd power setting value (right justified)
70	Blank	

71-80	A10	3rd power setting units (left justified)
81-85	I5	normalized distance from noise source in feet
86	Blank	
87-88	A2	"FT"
89	Blank	
90-92	I3	standard day temperature in degrees Fahrenheit
93	Blank	
94	A1	"F"
95	Blank	
96-98	I3	standard day relative humidity in percent
99	Blank	
100-102	A3	"PCT"
103	Blank	
104-109	F6.2	barometric pressure in IN HG
110	Blank	
111-115	A5	"IN HG"

Record Number 4

Column	Format	Description
1	Blank	
2-5	A4	"BAND"
6-7	Blank	
8-102	19(I5)	angles 0, 10, 20,...,180 degrees; 19 angles used as spectrum ID's

Record Number 5

Column	Format	Description
1-2	Blank	
3-4	A2	"10"; first band number
5-7	Blank	
8-102	19(I5)	SPL levels in dB re .00002 N/M^2 for frequency band 10 for nineteen angles from 0 to 180 degrees

Notes: (1) The SPL levels are to the nearest tenth without the decimal. They can be read as F5.1.
   (2) Record number 5 is repeated for bands 11 through 40. The format is the same except the band number is changed in columns three and four.